Unisys Cost Schedule

Introduction

Public Cloud provides highly economical usage based pricing on all of the components required for sophisticated enterprise class computing. Usage based pricing models enable alignment of infrastructure costs to actual computing needs, thereby reducing what were previously wasted expenditures due to under-utilization. In addition, the commercial environment is extremely competitive, with major cloud providers regularly adding new features and capabilities at lower price points.

In recognition of the competitive and rapidly evolving cloud market, Unisys provides a simple pricing model based on a discount off of public list pricing across cloud providers' portfolio categories of services (with specific exceptions) and includes separate Provisioning and Help Desk support. This allows immediate self-service access to new features and capabilities as they are brought to market and realizes the full benefit for WSCA participants as more efficient and cost effective models and pricing emerge.

In addition to the simple pricing model across a broad and expanding set of services, Unisys provides CLOUD provisioning capability to more than 20 public and internal Cloud providers. This makes the optimization of workload distribution internally and externally dramatically easier to manage.

Unisys also provides a single support infrastructure across all your external Cloud environments, allowing us to become familiar with the breadth of your computing efforts and greatly simplifying your access to Cloud and provisioning assistance.

Cloud Services Pricing Schedule

As noted above the family of cloud services available through major cloud providers is rapidly growing. Unisys is able to provide the majority of Cloud services in the specific categories on a simple % off of list pricing as new services become generally available through our provisioning portal. This enables you to immediately take advantage of new services without custom pricing quotes while subjecting specific user groups to budget and usage limits according to your defined usage. Specific specialized services such as SaaS and PaaS may be subject to special usage considerations such as third party license fees or feature configuration and as such may require custom quotes. Please see the notes for specific services.

Resource Type	AWS 0.5% off list unless noted Includes Basic Cloud Provisioning Portal at no additional cost	Unisys White Label Public Cloud GSA Equivalent Discounting; 25% off list unless noted	Salesforce.com GSA Equivalent Discounting	Google GSA Equivalent Discounting	SHI Unisys Discount Schedule
Compute Resources **(Application Hosting)**					
On Demand Capacity					
Windows	Gov Cloud Public Cloud				Shared or Multi-Tenant vCores
Linux/Unix	Gov Cloud Public Cloud			Google Compute Engine	Shared or Multi-Tenant vCores
Reserved Capacity					

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Windows	Reserved Instance Dedicated Instance Gov Cloud Public Cloud	Standard Resource Pool Large Resource Pool			Managed Private vCores Private vCores
Linux/Unix	Reserved Instance Dedicated Instance Gov Cloud Public Cloud	Standard Resource Pool Large Resource Pool			Managed Private vCores Private vCores
"Price Based" Capacity					
Windows	EC2 Spot Market Gov Cloud Public Cloud				
Linux/Unix	EC2 Spot Market Gov Cloud Public Cloud				
Infrastructure Services					

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Load Balancing	Elastic Load Balancer		Included		Option
Content Delivery	Cloud Front		Included		
Resource Management	Auto Scaling		Included		Option
Queue Services	Simple Queuing Service (SQS)		Included		
Domain Name Services	Route 53				Option
IP Addresses	Elastic IP	Dedicated IP Address	Included		
Work Flow	SWF –Simple Workflow Service		CRC Design Workflow		
Datacenter-as-a-service		Bring Your Own Device (BYOD)			
Network Services/Data Access					

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Storage Access	S3 – PUT,COPY,POST,LIST – no discount S3 – Get and other – no discount S3 – Delete – no charge ESB – IOPS		Included		Option
Network Data Transfer	Data In – No Charge On-demand Data Transfer (1) Reserved Data Transfer(1) Regional Data Transfer (1)	Managed Internet Bandwidth (MRS)	Included		Option
Other	Cloud Front – Regional Data Out Cloud Front Request				

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Storage					
Binary Object/Bulk Storage	S3 (Simple Storage Service) (1) S3 Reserved Storage (1)		Included	Google Cloud Storage	Option
Backup Storage	Snapshot to S3	Data Backup and Restore SRO Storage Snapshots		Google Cloud Storage	Option
Block Storage	Elastic Block Storage – See Pricing Below Ephemeral – No Charge	Standard Storage Fiber Channel Provisioned Storage			Option
Business Intelligence/Metrics Management					
Data Analysis	Elastic Map Reduce		Reports Dashboards	Google Big Query	

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Other		Oracle OBIEE IBM Cognos SAP Business Objects Microsoft BI Birst	Radian 6	Google Analytics	
Security					
Virtual Private Cloud	No Charge				Managed Private vCores Private vCores
VPN	VPN Connection – No Discount	1Mbps LAN-to-LAN 3Mbps LAN-to-LAN 6Mbps LAN-to-LAN 10Mbps LAN-to-LAN			
Other		Virtual Firewall VLan	Role Based Security Object, Field, Record Level Security IP Restriction Time of Day Restriction		

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EAL4+ Network Security	Enquire for availability	Enquire for availability			
EAL4+ SAN Security		Enquire for availability			
Encryption	S3 Server Side Encryption		Crypto Library		
Identity Management	AWS IAM-No Charge		SAML Federated Authentication		
Monitoring and Alerts					
Monitoring	Basic E2 Monitor – No charge Detailed EC2 Monitor – No Discount Custom Metrics – No Discount Cloud Watch API Requests – No Discount	Basic Monitoring – No Charge vSphere			Included

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Alerts	Simple Notification Service (SNS)	SMS Email	Email		Included
Data Base Services					
Relational Database	MSFT SQL Server Gov Cloud Public Cloud	MSFT SQL Server		Google Cloud SQL	
	MySQL Gov Cloud Public Cloud	MySQL			
	Oracle Gov Cloud Public Cloud	Other - BYOL			
	Other – BYOL Gov Cloud Public Cloud		Database Services		

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Non-relational Database	DynamoDB SimpleDB Gov Cloud Public Cloud	Other - BYOL			
Platform as a Service (PaaS)					
Web Application	Elastic Bean Stock		Force.com Heroku	Google App Engine	
Software as a Service (SaaS)					
GIS Software	ESRI Basic (1) ESRI Standard (1) ESRI Fully Managed (1)	ESRI Basic (1) ESRI Standard (1) ESRI Fully Managed (1)		Earth Maps	
Email	SES (Simple Email Service)	Microsoft 365		Gmail Government Cloud Public Cloud	

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Personal Productivity		Microsoft 365		Google Apps Government Cloud Public Cloud	
Content Management	InfoImage	InfoImage Microsoft Sharepoint	CRM Content		InfoImage
Case Management		Secure Family Net Jail Management System Computerized Criminal History Secure Image Management System Prison Management System 311 Citizen Engagement	Planning/Permitting/ Licensing Billing/Payments Asset & Work Orders Social Media Outreach/Mgmt		

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Provisioning Services (2)					
WSCA Unisys Provisioning Portal SaaS – Basic	Available – **No Charge**	Available – 4% of net cloud service fees	N/A	Available – 4% of net cloud service fees	Available – 4% of net cloud service fees (3)
WSCA Unisys Provisioning Portal SaaS – Advanced	Available – 7% of net cloud service fees	Available – 7% of net cloud service fees	N/A	Available – 7% of net cloud service fees	Available – 7% of net cloud service fees (3)
WSCA Unisys Provisioning Portal Dedicated - Basic	Available – Quote required	Available – Quote required	N/A	Available – Quote required	Available – Quote required (3)
WSCA Unisys Provisioning Portal Dedicated – Advanced	Available (1)	Available (1)	N/A	Available (1)	Available (1) (3)
Consulting Services (2)					
Principal Technologist	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr
Practice Director	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr	Onsite - $427/hr Offsite - $371/hr

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Project Manager	Onsite - $244/hr Offsite - $211/hr	Onsite - $244/hr Offsite - $211/hr	Onsite - $244/hr Offsite - $211/hr	Onsite - $244/hr Offsite - $211/hr	Onsite - $244/hr Offsite - $211/hr
Cloud Architect	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr
Cloud Analyst	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr
Cloud Application Architect	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr
Sr Cloud Application Developer	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr
Cloud Application Developer	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr
Cloud Migration Architect	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr
Sr Cloud Migration Specialist	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr

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Cloud Migration Specialist	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr	Onsite - $129/hr Offsite - $112/hr
Finance Analyst	Onsite - $129/hr Offsite - $113/hr	Onsite - $129/hr Offsite - $113/hr	Onsite - $129/hr Offsite - $113/hr	Onsite - $129/hr Offsite - $113/hr	Onsite - $129/hr Offsite - $113/hr
Project Coordinator	Onsite - $54/hr Offsite - $54/hr	Onsite - $54/hr Offsite - $54/hr	Onsite - $54/hr Offsite - $54/hr	Onsite - $54/hr Offsite - $54/hr	Onsite - $54/hr Offsite - $54/hr
Sr Provisioning Consultant	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr
Provisioning Consultant	Onsite - $119/hr Offsite - $106/hr	Onsite - $119/hr Offsite - $106/hr	Onsite - $119/hr Offsite - $106/hr	Onsite - $119/hr Offsite - $106/hr	Onsite - $119/hr Offsite - $106/hr
Design Architect	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr	Onsite - $260/hr Offsite - $260/hr
Sr Design Consultant	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr
Design Consultant	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr

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Quality Assurance Manager	Onsite - $277/hr Offsite - $237/hr	Onsite - $277/hr Offsite - $237/hr	Onsite - $277/hr Offsite - $237/hr	Onsite - $277/hr Offsite - $237/hr	Onsite - $277/hr Offsite - $237/hr
Sr Quality Assurance Specialist	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr	Onsite - $161/hr Offsite - $140/hr
Quality Assurance Specialist	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr	Onsite - $112/hr Offsite - $91/hr
Support (2)					
24x7 Premium (Default)	15% of net Cloud Usage and GIS Hosting Fees	15% of net Cloud Usage and GIS Hosting Fees	15% of net Cloud Usage	15% of net Cloud Usage	15% of net Cloud Usage

NOTES:

(1) See detailed pricing below

(2) Consulting, provisioning and support are not discounted beyond the rates shown in the table.

(3) Setup fees will apply for Unisys Provisioning Portal Support of SHI clouds

AWS Storage Services Detail

NOTE: Storage volumes are aggregated on a per participating entity basis.

Amazon Elastic Block Store (EBS)

Amazon EBS Volumes	List Price	Unisys WSCA Price		
Per GB-Month of provisioned storage	$ 0.130	$ 0.129		
Per 1 million I/O requests	$ 0.130	$ 0.129	10	per GB/Day
Amazon EBS Snapshots to Amazon S3			3650	per GB/Y
Per GB-Month of data stored	$ 0.180	$ 0.179	10950	per GB total
			10,950,000	per TB

Amazon Simple Storage Service (S3)

On-Demand Storage

	Standard Storage (per GB) List Price	Reduced Redundancy Storage (per GB) List Price	Standard Storage (per GB) Unisys WSCA Price	Reduced Redundancy Storage (per GB) Unisys WSCA Price	
First 1 TB / month	$ 0.180	$ 0.121	$ 0.179	$ 0.120	
Next 49 TB / month	$ 0.160	$ 0.108	$ 0.159	$ 0.107	
Next 450 TB / month	$ 0.145	$ 0.095	$ 0.156	$ 0.102	NO DISCOUNT
Next 500 TB / month	$ 0.125	$ 0.082	$ 0.134	$ 0.088	NO DISCOUNT
Next 4000 TB / month	$ 0.105	$ 0.069	$ 0.113	$ 0.074	NO DISCOUNT
Next 5000 TB / month	$ 0.070	$ 0.048	$ 0.075	$ 0.052	NO DISCOUNT
Above 10000 TB / month	Call for Pricing	Call for Pricing	Call for Pricing	Call for Pricing	

* Monthly usage is calculated by averaging the storage used in a month. For more details on how we measure and charge for storage usage, please check the AWS GovCloud FAQ page.

Amazon Simple Storage Service (S3)

Fixed Price Reserved Storage

Average Storage Per Month	Standard Storage List Price	Reduced Redundancy Storage List Price	Standard Storage Unisys WSCA Price	Reduced Redundancy Storage Unisys WSCA Price	
	1 yr Term	1 yr Term	1 yr Term	1 yr Term	
25 TB	$ 45,950	$ 31,300	$ 45,720.25	$ 31,143.50	
50 TB	$ 91,150	$ 62,200	$ 90,694.25	$ 61,889.00	
500 TB	$ 828,300	$ 550,400	$ 890,645.16	$ 591,827.96	NO DISCOUNT
1000 TB	$ 1,518,000	$ 1,008,000	$ 1,632,258.06	$ 1,083,870.97	NO DISCOUNT
5000 TB	$ 6,146,250	$ 4,083,250	$ 6,608,870.97	$ 4,390,591.40	NO DISCOUNT

GIS Hosting Services Detail

ESRI *** HOSTING COSTS – No Discount

Service Level	Per Instance Hour Base Charges*	Per ESRI SW Instance/Month Incremental Charges**	Instance Hourly Equivalent**	Fully Managed Solution Incremental Monthly Fees**	Fully Managed Solution Hourly Equivalent**
Basic GIS Hosting	Separate			None	n/a
Standard GIS Hosting	Separate	$900	$1.23	None	n/a
Fully Managed GIS Hosting	Separate	$900	$1.23	$ 17,173	$ 23.52

* Required compute, database and other charges will vary based upon actual configuration used.

** in addition to Per Instance Hour Base Charges. Minimum commitments will apply.

*** valid ESRI licenses are required (BYOL)

Unisys Cloud Provisioning System software licensing

Cloud Instances (VMs)*	Annual License Subscription List Price	WSCA Annual License Subscription Price	WSCA Discount	List Price Per Additional Virtual Machine Instance Per Year	WSCA Price Per Additional Virtual Machine Instance Per Year
1,000	$250,000	$250,000	0%	$250.00	$250.00
1,500	$375,000	$315,663	16%	$250.00	$210.44
3,000	$500,000	$361,446	28%	$166.67	$120.48
5,000	$725,000	$506,024	30%	$145.00	$101.20

* quantity refers to the maximum number of VMs supported at that level.

Note: aggregate discounts are available for use of this software in a single instance to support multiple participating entities. For example Unisys would be willing to provide and host a WSCA-branded instance of this software to support multiple participating entities. As the aggregate usage increased, the per-unit costs would decrease for all participants.

AWS Data Transfer Detail

On-demand data transfer. Data transfer volumes are aggregated on a per participating entity basis.

	Price Per GB - List	Price Per GB - Unisys WSCA Discounted Price
Data Transfer IN		
All data transfer in	$0.00	$0.00
Data Transfer OUT		
First 10 TB / month	$0.16	$0.15
Next 40 TB / month	$0.12	$0.11
Next 100 TB / month	$0.09	$0.097 NO DISCOUNT
Next 350 TB / month	$0.07	$0.070 NO DISCOUNT
Next 524 TB / month	contact us	
Next 4 PB / month	contact us	
Greater than 5 PB	contact us	

Reserved data transfer. Data transfer volumes are pre-purchased on an invoiced entity basis

Data Transfer OUT	1 yr Term	
25 TB / month	$35,400	$35,223.00
50 TB / month	$65,750	$65,421.25
150 TB / month	$160,100	$172,150.538 NO DISCOUNT
500 TB / month	$395,900	$425,698.925 NO DISCOUNT

Regional Data Transfer

$0.01 - all data transferred between instances in different Availability Zones in the same region. Note that transfer between instances through an Elastic IP is always considered Regional Data Transfer.